

Title (en)  
ADAPTIVE AUTONOMOUS VEHICLE PLANNER LOGIC

Title (de)  
ADAPTIVE PLANERLOGIK FÜR AUTONOMES FAHRZEUG

Title (fr)  
LOGIQUE DE PLANIFICATION ADAPTATIVE DE VÉHICULE AUTONOME

Publication  
**EP 3371794 A4 20190501 (EN)**

Application  
**EP 16862834 A 20161102**

Priority

- US 201514756992 A 20151104
- US 2016060029 W 20161102

Abstract (en)  
[origin: US2017123429A1] Various embodiments relate generally to autonomous vehicles and associated mechanical, electrical and electronic hardware, computer software and systems, and wired and wireless network communications to provide an autonomous vehicle fleet as a service. More specifically, systems, devices, and methods are configured to generate trajectories to influence navigation of autonomous vehicles. In particular, a method may include receiving path data to navigate from a first geographic location to a second geographic location, generating data representing a trajectory with which to control motion of the autonomous vehicle based on the path data, generating data representing a contingent trajectory, monitoring generation of the trajectory, and implementing the contingent trajectory subsequent to an absence of the trajectory.

IPC 8 full level  
**G08G 1/056** (2006.01); **G01C 21/36** (2006.01); **G05D 1/02** (2006.01); **G08G 1/0968** (2006.01)

CPC (source: EP US)  
**B60W 50/00** (2013.01 - US); **B60W 60/0011** (2020.02 - US); **B60W 60/0027** (2020.02 - US); **G01C 21/34** (2013.01 - EP US); **G01C 21/3407** (2013.01 - EP); **G01S 17/87** (2013.01 - EP US); **G01S 17/931** (2020.01 - EP US); **G05D 1/0212** (2024.01 - US); **G05D 1/0214** (2024.01 - EP); **G05D 1/0297** (2024.01 - EP US); **B60W 2050/0064** (2013.01 - US); **B60W 2420/403** (2013.01 - US); **B60W 2420/408** (2024.01 - US); **B60W 2420/54** (2013.01 - US); **B60W 2554/20** (2020.02 - US); **B60W 2554/4026** (2020.02 - US); **B60W 2554/4029** (2020.02 - US); **B60W 2554/406** (2020.02 - US); **B60W 2555/20** (2020.02 - US); **G01S 7/4972** (2013.01 - EP US); **G01S 13/865** (2013.01 - EP US); **G01S 13/867** (2013.01 - EP US); **G01S 13/87** (2013.01 - EP US); **G01S 2013/9316** (2020.01 - EP US); **G01S 2013/9322** (2020.01 - EP US); **G05D 1/0255** (2024.01 - EP US); **G05D 1/0257** (2024.01 - EP US)

Citation (search report)

- [X1] US 8880272 B1 20141104 - FERGUSON DAVID I [US], et al
- [A] SIVARAMAN SAYANAN ET AL: "Looking at Vehicles on the Road: A Survey of Vision-Based Vehicle Detection, Tracking, and Behavior Analysis", IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, IEEE, PISCATAWAY, NJ, USA, vol. 14, no. 4, 1 December 2013 (2013-12-01), pages 1773 - 1795, XP011532563, ISSN: 1524-9050, [retrieved on 20131125], DOI: 10.1109/TITS.2013.2266661

Cited by  
US10962650B2

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**US 2017123429 A1 20170504; US 9910441 B2 20180306**; CN 108292473 A 20180717; CN 108292473 B 20230606; EP 3371794 A2 20180912; EP 3371794 A4 20190501; JP 2019501072 A 20190117; JP 7195143 B2 20221223; US 10921811 B2 20210216; US 2018196439 A1 20180712; WO 2017079228 A2 20170511; WO 2017079228 A3 20170615

DOCDB simple family (application)  
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